

WHAT IS CLAIMED IS:

1. A dental floss holder, comprising:

a main body;

a retractable member movably mounted on a first end of the main
5 body;

a rotation member rotatably mounted in the main body and having a
first end engaged with the retractable member to move the retractable member
axially relative to the main body by rotation of the rotation member; and

a control member rotatably mounted on a second end of the main
10 body and engaged with a second end of the rotation member to rotate the
rotation member.

2. The dental floss holder in accordance with claim 1, wherein the
first end of the main body is formed with a first tube having an inner wall
formed with a square hole, and the retractable member has a first end formed
15 with a square bar movably mounted in the square hole of the main body.

3. The dental floss holder in accordance with claim 2, wherein the
first tube of the main body has an outer wall formed with a threaded portion,
and the dental floss holder further comprises a nut screwed onto the threaded
portion.

20 4. The dental floss holder in accordance with claim 2, wherein the
square bar of the retractable member is formed with a screw bore, and the first

end of the rotation member is formed with a threaded rod screwed into the screw bore of the square bar.

5. The dental floss holder in accordance with claim 4, wherein the inner wall of the first tube of the main body has an end formed with a plurality
5 of downward extended elastic locking hooks, and the first end of the rotation member is formed with a tapered locking portion located under the threaded rod and locked on the locking hooks of the first tube of the main body.

6. The dental floss holder in accordance with claim 2, wherein the second end of the main body is formed with a second tube.

10 7. The dental floss holder in accordance with claim 6, wherein the second tube of the main body has an inner wall having a first end formed with an annular catch portion, and the rotation member has a mediate portion formed with a catch ring rested on the catch portion of the second tube of the main body.

15 8. The dental floss holder in accordance with claim 7, further comprising a fixing sleeve mounted in the second tube of the main body and the control member and having a first end rested on the catch ring of the rotation member and a second end rested on an inside of the control member.

9. The dental floss holder in accordance with claim 8, wherein the
20 inner wall of the second tube of the main body has a second end formed with a plurality of axially extended fixing grooves, and the fixing sleeve has an outer wall formed with a plurality of axially extended fixing ribs each secured in a

respective one of the fixing grooves of the second tube of the main body, so that the fixing sleeve is fixed in the second tube of the main body without rotation.

10. The dental floss holder in accordance with claim 8, wherein the
5 fixing sleeve has an inner wall formed with a receiving chamber having a closed wall formed with a through hole for passage of the rotation member.

11. The dental floss holder in accordance with claim 10, further comprising a floss spool mounted in the receiving chamber of the fixing sleeve and rotatably mounted on the rotation member.

10 12. The dental floss holder in accordance with claim 11, wherein the first end of the fixing sleeve is formed with a cutout, the second tube of the main body has a distal end formed with a notch, and the dental floss holder further comprises a dental floss wound around the floss spool and having a distal end extended through the cutout of the fixing sleeve and the notch of the
15 second tube of the main body.

13. The dental floss holder in accordance with claim 6, wherein the second tube of the main body has an outer wall provided with a cutter.

14. The dental floss holder in accordance with claim 2, wherein the retractable member has a second end formed with two substantially inverted
20 L-shaped bent support bars spaced from each other.

15. The dental floss holder in accordance with claim 14, wherein each of the two support bars has a surface formed with a guide channel and has a distal end formed with a hooking recess.

16. The dental floss holder in accordance with claim 1, wherein the
5 second end of the rotation member is formed with a hexagonal fixing portion, and the control member has an inside formed with a hexagonal fixing hole mounted on the fixing portion of the rotation member, so that the control member is secured on the second end of the rotation member to rotate the rotation member.

10 17. The dental floss holder in accordance with claim 16, wherein the second end of the rotation member is formed with an outer threaded portion located under the fixing portion, and the dental floss holder further comprises a cover mounted on the control member and having an inside formed with a screw bore screwed onto the threaded portion of the rotation member to
15 position the control member on the second end of the rotation member.

18. The dental floss holder in accordance with claim 17, wherein the control member has a bottom formed with a receiving recess for receiving the cover.